

Smarter storage

for smarter businesses.



Securing Your Data

Tandberg Data is a leading global supplier and manufacturer of data protection solutions, based on the RDX®, SLR™, VXA™ and LTO™ technology platforms. The company offers secondary storage products based on tape drives, autoloaders, libraries, media, disk-based solutions, software and hardware components for mainstream configurations.

In November 2006, Tandberg Data acquired Exabyte Corporation. With the acquisition, Tandberg Data has doubled its market-share and is now the worlds 2nd largest independent tape storage vendor. The combined product portfolios of the two companies provides customers with the full range of state-of-the-art, cost effective products and technologies to meet their needs.

Tandberg Data products are supported by all major operating systems and software applications to successfully operate in heterogeneous network information storage environments. All solutions are designed to meet the growing storage requirements of small and medium sized organizations with scalability, reliability and backward compatibility features that ensure cost effective operation and long-term investment protection.

*Tandberg Data ASA is a publicly held company based in Oslo, Norway and is traded on the Oslo Stock Exchange (ticker=TAD).

From Entry Level to SME

Small and Medium Businesses (SMB) today have a growing problem - protecting their data with limited IT resources and limited IT budgets. Recent research indicates that the average SMB's data is growing at over 60% each year and that over 70% of SMB's cannot fit all their data onto a single tape.

In recent years, we have witnessed major data security breaches and data loss resulting in untold damage to both individuals and organizations as companies struggle to secure the personal and financial data entrusted to them.

Tandberg Data backup and data protection solutions are designed to meet the growing storage requirements with scalability, reliability, performance and security features that ensure cost effective operation and long-term investment. Tandberg Data offers customers a choice of SLR, VXA, LTO and RDX technologies designed specifically for each market segment.

02	REMOVABLE DISK
04	STAND ALONE DRIVES
10	AUTOLOADERS
14	TAPE LIBRARIES
18	DISK-BASED BACKUP
20	MEDIA
22	SERVICE

contents



Removable Disk

RD[®] QuikStor[™]

WHERE SMARTER STORAGE BEGINS

The exploding growth of mission-critical digital content combined with government regulated retention policies has created a need for secure, reliable and robust, portable data protection solution at an affordable cost.

Tandberg Data’s RD[®] QuikStor is a cartridge-based removable disk storage system that offers a rugged, reliable and convenient storage solution for backup, archive, data interchange and disaster recovery. It combines the best features of tape (convenience, portability, archive life, low cost) with the benefits of hard disk (high performance, random access, high reliability) and meets the performance requirements of users from professional to entry-level enterprise.

The bundled RD[®] FileKeeper software offers transparent, “always-on” continuous protection of user data and a complete backup of all system and application data. The RD[®] QuikStor features high performance with up to 162GB/hr transfer rate and is available in 80GB, 160GB, 320GB or 500GB capacities. RD[®] media is randomly accessed so stored files can be immediately retrieved without time-consuming sequential seeks. Single files and selected volumes can be restored in seconds instead of hours.



RD [®] QUIKSTOR DRIVES SPECIFICATION		
MODEL	INTERNAL	EXTERNAL
Capacity - GB*	80, 160, 320, 500	80, 160, 320, 500
Transfer Rate - MB/s	25–45	25–30
Interface	USB or S-ATA	USB 2.0
Media Usage - GB	80, 160, 320, 500	80, 160, 320, 500

RD [®] QUIKSTOR MEDIA SPECIFICATIONS		
MODEL	MAXIMUM CAPACITY - GB	MAXIMUM DATA TRANSFER RATE - MB/s
RD [®] 80GB	80	35
RD [®] 160GB	160	45
RD [®] 320GB	320	45
RD [®] 500GB	500	45

RD[®] Advantages

EASE OF USE

Easily drag and drop data files across. Simple cartridge load allowing easy and complete backup. The drives are plug and play versions with internal (mounted into a server bay) and external (tabletop) models.

CONTINUOUS DATA PROTECTION

The RD[®] QuikStor ships with easy-to-use software solution that provides transparent, “always-on” continuous protection of user data and a complete backup of all system and application data.

COST EFFECTIVE AND FUTURE PROOF

The initial setup cost is minimal compared to other entry level tape based solutions. Drive and cartridges are more durable, resulting in lower TCO. A truly cost effective solution that is suitable for SOHO users to departmental users.

FASTER BACKUP AND ACCESS

High-performance disk-based speed and access, backing up to 162GB/hr and near-instant file retrieval.

RUGGED AND TOUGH

The cartridges last over 10 years and are designed in a way that makes them more rugged and shockproof. The cartridge is also ESD proof to ensure that the device is protected from static electricity.

What is RD[®] FileKeeper?

RD[®] FileKeeper is a revolutionary backup software package that combines two important technologies into one simple solution—continuous data protection (CDP) and disaster recovery protection. By providing byte level CDP on all user data and file-level backup for all systems data, every document is protected as it is saved to disk, regardless of whether the system is connected or disconnected to the RD[®]. With CDP, the RD[®] automatically stores new data as needed throughout the day, and single file de-duplication keeps only those bytes of data that change. RD[®] FileKeeper offers simple right click access to earlier versions of files while easily protecting against accidental deletions, corruption and accidental overwriting.

Disaster recovery backup allows users to make complete system images—snapshots of the system at points in time—to provide complete protection against hardware failure and other disasters. If the customer is using Windows Server 2008 or Windows Vista, the DR can be done directly from the RD[®].



Stand Alone Tape Drives

LTO™ Tape Drives

A COST-EFFECTIVE SOLUTION THAT MEETS ALL YOUR BACKUP AND ARCHIVING REQUIREMENTS

Tandberg Data LTO™ Tape Drives offer a range of Full Height and Half Height drives suited for customers looking for tape storage devices that can meet any of their business requirements: cost effective, reliable, scalable and at the same time providing maximum backward compatibility.

BENEFITS OF LTO TECHNOLOGY

- Scalable performance characteristics to accommodate a wide range of system platforms— from a single server to the enterprise network—thus enabling future system growth.
- Six generation roadmap makes it a clear choice for users seeking to standardize on a tape technology, hence protecting their investment today and in the future.
- Easily integrates into current operating environments.
- Compliance testing ensures that LTO Ultrium drives and media cartridges conform to the specification to deliver data interchange among multiple vendors’ products.

Tandberg LTO drives ship with Symantec’s Backup Exec QuickStart software, embedded media management for intelligent diagnostics and tape alerts, and comes with 3 years warranty and support.

The Tandberg LTO drives are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.



LTO-3 (Half-Height)

Why choose Tandberg Data LTO™ Products?

Tandberg Data LTO products are stringently tested to conform to all LTO technology standards.

Tandberg Data offers a complete array of LTO solutions comprising of tape drives, autoloaders, and small and midrange libraries to cater for all business sizes.

Tandberg Data LTO solutions are designed to grow with users’ needs across all platforms and operating systems, protecting their IT investments.

The Tandberg LTO drives ship with Symantec’s Backup Exec QuickStart software, embedded media management for intelligent diagnostics and tape alerts, and comes with 3 years warranty and support.



LTO-4 (Full-Height)

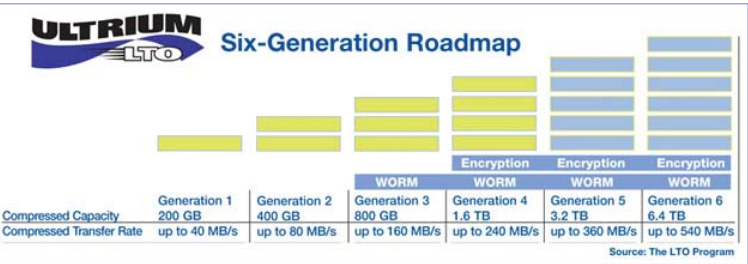
LTO TAPE DRIVE SPECIFICATIONS

MODEL	LTO-1 HH	LTO-2 HH	LTO-3 HH	LTO-4 HH	LTO-3 FH	LTO-4 FH
Capacity - GB*	200	400	800	1600	800	1600
Transfer Rate - MB/s*	32	48	120	160	160	240
Interface	LVD SCSI	LVD SCSI	LVD SCSI, SAS	LVD SCSI, SAS	LVD SCSI, FC	LVD SCSI, FC, SAS
Media	LTO-1	LTO-2	LTO-3	LTO-4	LTO-3	LTO-4

* Based on a 2:1 Data Compression Rate

MEDIA COMPATIBILITY CHART

TAPE FORMAT	LTO-1	LTO-2	LTO-3	LTO-4
LTO-1 Ultrium	R/W	R/W	R	
LTO-2 Ultrium		R/W	R/W	R
LTO-3 Ultrium			R/W	R/W
LTO-4 Ultrium				R/W



VXA™ Tape Drives

TECHNOLOGY THAT YOU CAN RELY ON

Tandberg Data VXA™ Tape Drives use an award-winning packet technology that enables VXA drives to read and write data on tape using digital packets, just like the internet. VXA technology provides far superior restore integrity, exceptional value for money and scalable capacities up to 320*GB..

VXA drives deliver transfer speeds up to 24MB/s*, and its variable speed operation allows VXA drives to work perfectly on slower networks. VXA drives perform a PerfectWrite™ and use 4 Reed-Solomon Error Correction. VXA products are up to 180x more likely to restore data than a DDS/DAT tape drives and can even restore data from a damaged tape.

Tandberg VXA drives ship with Symantec’s Backup Exec QuickStart software and come with 3 years warranty and support, and one year advanced replacement service.

Tandberg Data’s VXAtape™ cartridges are the perfect complement to VXA technology. They provide the necessary features needed for Tandberg VXA tape drives, autoloaders, and libraries. Imation Corporation is the exclusive worldwide distributor of VXA tapes.



VXA-2 Internal



VXA-320 Internal

VXA™ Advantages

HIGHLY DURABLE

Over three successive generations, VXA products have been disaster tested by Tandberg Data and independent labs under the most severe conditions—including violent vibration, immersion in volcanic dust, boiling water and hot coffee, and even freezing cartridges in ice—to ensure reliable and complete data restores.

BETTER SCALABILITY

VXA Packet drives and tapes offer scalable capacity—three media length choices provide just the right capacity for today’s backup needs and the flexibility to scale for future data growth.

GUARANTEED COMPATIBILITY

Compatible with all VXA drives: IBM, Fujitsu-Siemens, Apple, Acer.

MEDIA COMPATIBILITY CHART

PRODUCT	VXA-2	VXA-320
X23 (230m) Data Cartridge - GB	80 / 160	160 / 320
X10 (124m) Data Cartridge - GB	40 / 80	86 / 172
X6 (62m) Data Cartridge - GB	20 / 40	40 / 80

VXA TAPE DRIVE SPECIFICATIONS

MODEL	VXA-2	VXA-320
Capacity - GB*	160	320
Transfer Rate - MB/s*	12	24
Interface	LVD SCSI, Firewire	LVD SCSI, Firewire, USB
Media Usage	X23, X10, X6, V17	X23, X10, X6

* Based on a 2:1 Data Compression Rate



VXA-2 External



VXA-320 External

SLR™ Tape Drives

ENTRY LEVEL BACKUP DEVICES THAT YOU CAN TRUST

With the industry’s highest reliability rating of an average field return rate of less than 1.5%, Tandberg Data SLR™ (Scalable Linear Recording) is a proven technology with over 3 million drives shipped to the market. The wide range of backwards compatibility of media supported also means that customers’ investments are protected.

Tandberg Data SLR Tape Drives are compatible with all major software platforms, and ideal for entry-level Intel-based PC Servers running on the Windows, Netware and Linux operating environments.

Tandberg SLR drives ship with Symantec’s Backup Exec QuickStart software and comes with 3 years warranty and support.

Tandberg Data’s SLR cartridges are the perfect complement to SLR technology. They provide the necessary features needed for Tandberg SLR tape drives.

SLR DRIVES SPECIFICATIONS				
MODEL	 SLR140	 SLR100	 SLR75	 SLR7
Capacity - GB*	140	100	75	40
Transfer Rate - MB/s*	12	10	8	6
Interface SCSI	Ultra 2	Wide SCSI	Wide SCSI	Wide SCSI
Media Usage	SLR 140	SLR 100	SLR 75	SLR 7

* Based on a 2:1 Data Compression Rate



SLR Advantages

SMALL BUT EXCELLENT

The SLR tape drives are the best choice for smaller network environments, PC servers or workstations.

RELIABLE

With an annual return rate of less than 1.5%, the Tandberg SLR series is, thanks to its robust design and simple mechanism, the most reliable product on the storage market.

DURABILITY: MORE THAN 30 YEARS**

The reliability and durability of SLR media have been proven through 25 years of field experience and are not drawn from projections based on simulation tests.

** under optimal archival conditions

MEDIA COMPATIBILITY CHART

TAPE FORMAT	SLR 140	SLR 100	SLR 75	SLR 7
SLR 140	R / W			
SLR 100	R / W	R / W		
SLR 75	R / W	R / W	R / W	
SLR 60	R / W	R / W	R / W	
SLR 50 (MLR3)	R / W	R / W	R / W	
SLR 40	R / W	R / W	R / W	
SLR 7	R	R	R	R / W
SLR 32 (MLR1)		R	R	
SLR 24 (SLR6)		R	R	
SLR 5 (QIC-4GB)			R	R
SLR 4 (DC) (QIC-2GB)				R

SLR™ Compatibility Overview – Tandberg Data SLR™ tape drives and media

Autoloaders

StorageLoader LTO™

RELIABLE AUTOMATION AT AN UNBEATABLE PRICE

The Tandberg StorageLoader LTO™ provides a unique cartridge load design with two 4-slot removable magazines storing a total of eight data cartridges and in a streamlined 1U form factor.

Each magazine may be ejected through the LCD user interface and there is an emergency eject feature for the magazines in case of power failure. Convenient barcode labeling of the eight data cartridges (or seven plus a cleaning cartridge) in two magazines provides a controlled backup for quick and accurate off-site storage. To facilitate disaster recovery plans, bulk loading and off-site storage are easily handled for increased security and convenience.

The convenience and reduced administrative resources of an automated solution and a mid-range feature set at a budget-friendly cost makes the Tandberg StorageLoader LTO a “best-in-class” choice for small to medium businesses moving to automated backup from traditional standalone tape drives.

The Tandberg StorageLoader LTO ships with a bar code reader, rack kit, remote management and Symantec’s Backup Exec QuickStart software and comes with a 1 year Advanced Replacement Service (on component level only) and a 3 year warranty.

Tandberg LTO tape automation solutions are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.



StorageLoader LTO-4

StorageLoader LTO™ Advantages



CAPACITY AND PERFORMANCE

Industry Standard LTO Drives offer high capacity and performance as the StorageLoader LTO continues to evolve in line with the LTO product roadmap.

EASE OF USE

Removable magazines, remote web management and an easy to use LCD interface for system monitoring, bulk loading and off-site storage.

DENSITY

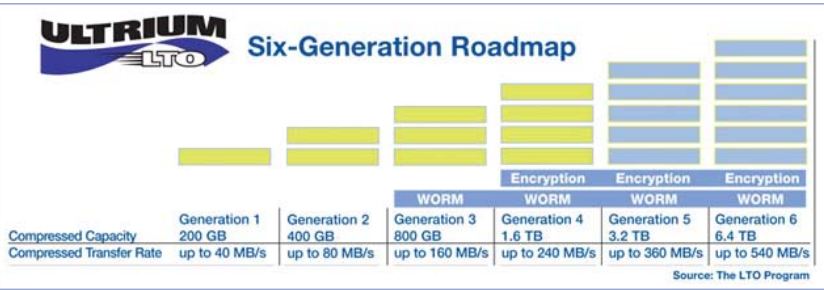
A streamlined 1U form factor design to optimize valuable rack space, the StorageLoader LTO autoloader offers 8 slots and up to 12.8TB of storage capacity.

RELIABILITY

Simplified robotics and cartridge loading, combined with solid metal construction and customer replaceable units to minimize downtime and reduce the overall Total Cost of Ownership (TCO).

MEDIA COMPATIBILITY CHART

TAPE FORMAT	LTO-1	LTO-2	LTO-3	LTO-4
LTO-1 Ultrium	R/W	R/W	R	
LTO-2 Ultrium		R/W	R/W	R
LTO-3 Ultrium			R/W	R/W
LTO-4 Ultrium				R/W



STORAGELOADER LTO SPECIFICATIONS

MODEL	LTO-1	LTO-2	LTO-3	LTO-4
Capacity	800GB / 1.6TB	1.6TB / 3.2TB	3.2TB / 6.4TB	6.4TB/12.8TB
Transfer Rate - MB/s*	16 / 32*	24 / 48*	60 / 120*	80 / 160*
Form Factor	1U	1U	1U	1U
No. of Cartridges	8	8	8	8
Interface	LVD SCSI	LVD SCSI	LVD SCSI	LVD SCSI, SAS
Media	LTO-1	LTO-2	LTO-3	LTO-4

* Based on a 2:1 Data Compression Rate

StorageLoader VXA™

THE GOLD STANDARD IN TAPE BACKUP AND RESTORE

The StorageLoader VXA™ 1U 1x10 Slot Autoloader sets the standard in data density, data reliability, transfer speed and price for this class of automation products.

In addition to its compact 1U, rackmountable form factor, it offers a midrange feature set, including a barcode reader as standard, random library operation and standard remote management. The product is available with a VXA-320 drive and a maximum capacity of 3.2TB and a maximum transfer rate of 86GB/hr.

The StorageLoader VXA uses three different cartridge capacities (X6=40/80GB, X10=86GB/172GB and X23=160GB/320GB), providing VXA users the flexibility to choose the capacity that best meets their current storage and budget needs and the ability to add capacity on demand, simply by using larger capacity VXA Tapes.

Tandberg Data's VXAtape™ cartridges are the perfect complement to VXA technology. They provide the necessary features needed for Tandberg VXA tape drives, autoloaders, and libraries. Imation Corporation is the exclusive worldwide distributor of VXA tapes.



StorageLoader VXA™ Advantages

Durability

Uses VXA-320 (VXA-3) Packet Tape Drives with patented VXA Packet Technology—extreme tested for 100% data restore integrity.

Streamlined Design

Uses a compact 1U rack-mounted design to accommodate space constraints.



Scalable Capacity

Offers ten 320GB cartridge slots for up to 3.2TB backup capacity at a transfer speed of up to 86.4GB/hr. to deliver the best combination of speed and capacity available in any comparable autoloader.

Value For Money

Incorporates midrange autoloader features such as a barcode reader as standard, random library operation and standard remote management functionality at an entry-level price.

MEDIA COMPATIBILITY CHART

PRODUCT	VXA-320
X23 (230m) Data Cartridge - GB	160 / 320
X10 (124m) Data Cartridge - GB	86 / 172
X6 (62m) Data Cartridge - GB	40 / 80

STORAGELOADER VXA SPECIFICATIONS

MODEL	VXA-320
Capacity (Native / Comp*)	1.6TB / 3.2TB*
Transfer Rate - MB/s (Native / Comp*)	12 / 24*
Form Factor	1U
No. of Slots	10
Interface	LVD SCSI, Firewire
Media Usage	X23, X10, X6

* Based on a 2:1 Data Compression Rate

Tape Automation

StorageLibrary T24

SETTING THE STANDARD FOR ENTRY-LEVEL LTO™ TAPE AUTOMATION

The Tandberg StorageLibrary T24 is ideally suited for SMBs or departments looking for a cost effective storage solution that provides them with just the right mix of reliability and scalability.

The Tandberg StorageLibrary T24 offers outstanding value for IT departments that need capacities up to 38.4TB*. The Storage library T24 supports one full-height or two half-height drives and is available with a choice of LTO-3 or LTO-4 SCSI, SAS or FC tape drives. The Performance on Demand (POD) feature allows users to easily add drives or upgrade to next generation technology, and increase their library's performance when they need it.

The StorageLibrary T24 has a host of management and maintenance features, ensuring minimized down-time and ease of management. Using the browser based remote management interface, administrators can remotely monitor, control, configure and diagnose the StorageLibrary T24 via the Internet from anywhere in the world.

The StorageLibrary T24 comes with a 1 year Advanced Replacement Service warranty (on component level only) and a 3 year warranty.

Tandberg LTO tape automation solutions are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.



StorageLibrary T24 Advantages

WIDE VARIETY OF DRIVES

Supports one full-height or two half-height drives and is available with a choice of SCSI, SAS or FC tape drives.

FULLY SCALABLE

Base unit is kitted with one or two 12-cartridge-magazines, that includes one Import/Export (I/E) port and can be scaled up to a 24-cartridge system by adding an additional magazine. Double your performance by installing a second LTO half-height drive. Installing a second drive is easy and inexpensive and can even be installed without removing the StorageLibrary T24 from the rack.

BETTER PERFORMANCE

Delivers from 19.2 TB to 38.4TB* of capacity at a transfer rate of up to 1.7TB/hr*.

USER FRIENDLY

Uses an intuitive, user-friendly LCD interface for configuration, status, diagnostic, and help functions.

ADI SUPPORT

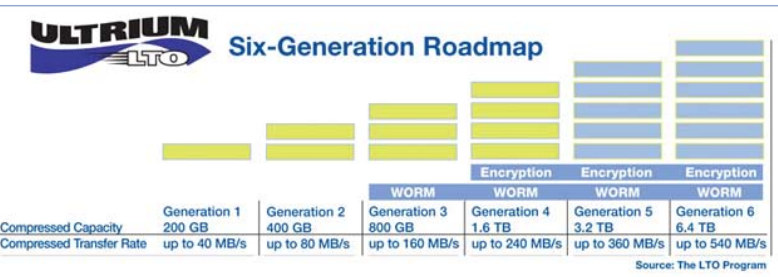
Featuring Automation/Drive Interface (ADI) that reduces cost, increases automation reliability to ensure enhanced end user simplicity.

FIELD UPGRADEABLE

Capacity on Demand (COD) enables easy expansion of usable capacity as data grows, by upgrading from 12 to 24 slots, or by adding or upgrading drives.

MEDIA COMPATIBILITY CHART

TAPE FORMAT	LTO-2	LTO-3	LTO-4
LTO Ultrium 1	R / W	R	
LTO Ultrium 2	R / W	R / W	R
LTO Ultrium 3		R / W	R / W
LTO Ultrium 4			R / W



TANDBERG STORAGE LIBRARY T24 SPECIFICATIONS

MODEL	LTO-3 HH	LTO-4 HH	LTO-3 FH	LTO-4 FH
Max Capacity - TB (Native / Comp*)	9.6 / 19.2*	19.2 / 38.4*	9.6 / 19.2*	19.2 / 38.4*
Max Transfer Rate - MB/s* (Native / Comp*)	120 / 240*	240 / 480*	80 / 160*	120 / 240*
Form Factor	2U	2U	2U	2U
No. of Drives	2	2	1	1
No. of Slots	12 or 24	12 or 24	12 or 24	12 or 24
Interface	LVD SCSI	LVD SCSI, SAS	LVD SCSI, FC	LVD SCSI, FC

* Based on a 2:1 Data Compression Rate

StorageLibrary T40+ and T80+

THE TRULY FLEXIBLE ENTERPRISE STORAGE

The Tandberg StorageLibrary T40+ and T80+ are the most competitively positioned midrange tape libraries in the market, combining high capacity (up to 123TB*) and performance in a small 8U rack optimized solution, supporting SCSI, SAS and FC connectivity. Whether you are planning for data growth, looking into upgrading to the next generation of LTO™ drive, storage consolidation, or integrating into a SAN solution, the StorageLibrary T40+ and T80+ were developed with versatility and flexibility in mind to provide the maximum upgrade path to cater for all scenarios—while protecting your investment. The Tandberg StorageLibrary T40+ and T80+ are designed to provide:

- Flexibility to mix SCSI, SAS and Fibre Channel in the same library with the ADI interface.
- Flexibility over media with easy cartridge management.
- Flexibility over operations via in-built partitioning that enables users to create 4x virtual tape libraries.

The StorageLibrary T40+ and T80+ come with a 1 year Advanced Replacement Service and with 3 years warranty and support.

Tandberg LTO tape automation solutions are compatible with industry standard, multi-sourced LTO media. To achieve optimum reliability, use of Tandberg LTO branded and qualified data cartridges is recommended.



StorageLibrary T40+ and T80+ Advantages

BUDGET FRIENDLY

With a base configuration price comparable to various autoloaders available on the market today, the Tandberg StorageLibrary T40+ and T80+ offer users the lowest entry into true enterprise storage.

MEETING BACKUP WINDOWS

The Storagelibrary T40+ supports two full-height or four half-height drives and is available with a choice of LTO-3 or LTO-4 SCSI, SAS or 4Gb FC tape drives.

The Storagelibrary T80+ supports four full-height or eight half-height drives and is available with a choice of LTO-3 or LTO-4 SCSI, SAS or 4Gb FC tape drives.

The Performance on Demand (POD) feature allows users to add additional drives or upgrade to next generation technology, and increase their library’s performance when they need it.

MANAGING EXPONENTIAL DATA GROWTH

The StorageLibrary T40+ and T80+ offer one of the highest density libraries in the industry, by scaling up to 40 tape slots in a 4U rack space. The default capacity of 24 tape slots can be increased via Capacity on Demand up to 77 slots.

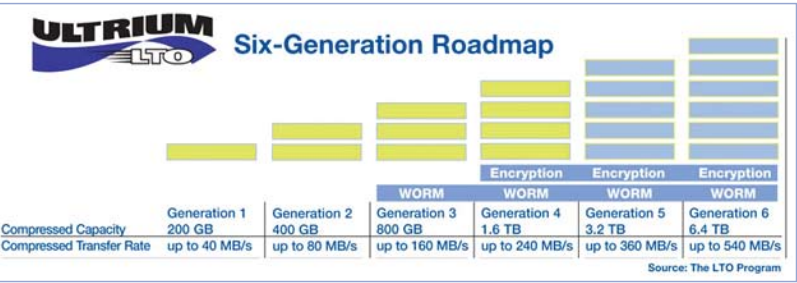
ENTERPRISE MANAGEMENT

The StorageLibrary T40+ and T80+ have a user-friendly interface and include an integrated barcode reader, remote management features, Export/Import slot, Customer Replaceable Units, drive hot swapping, audible alarm and real-time clock functions as standard.

For more configurations please visit www.tandbergdata.com

MEDIA COMPATIBILITY CHART

TAPE FORMAT	LTO-3	LTO-4
LTO Ultrium 1	R	
LTO Ultrium 2	R / W	R
LTO Ultrium 3	R / W	R / W
LTO Ultrium 4	R / W	R / W



TANDBERG STORAGELIBRARY SPECIFICATIONS

MODEL	LTO-3 FH	LTO-4 FH	LTO-4 HH
Max Capacity - TB (Native / Comp*)	30.8 / 61.6*	61.6 / 123.3*	61.6 / 123.3*
Transfer Rate*	1.1 / 2.2TB/hr*	1.7 / 3.5TB/hr*	3.5 / 6.9TB/hr*
No. of Drives	4	4	8
No. of Slots	24, 40, or 77	24, 40 or 77	24, 40 or 77
Interface	LVD SCSI	LVD SCSI, FC	LVD SCSI, SAS

* Based on a 2:1 Data Compression Rate

Disk-Based Backup

StorageCab 6000

THE SMARTER CHOICE FOR DISK BASED BACKUP

Backup windows are shrinking and rapid file restore is more important than ever. IT departments need storage solutions to meet the increasing demands of users who need to share files in heterogeneous environments.

The Tandberg StorageCab 6000 is designed to provide storage expansion, fast file access and convenient file sharing for high data availability, rapid recovery, data protection and easy data management.

Powered by Microsoft® Windows® Storage Server 2003 (WSS 2003) operating system and optimized for storage-specific management and applications, the Tandberg StorageCab 6000 ensures ease of deployment, flexibility and seamless integration into a customer's existing network environment.

The Tandberg StorageCab 6000 comes with 3 years warranty and one year Advanced Replacement Service (component level only).



StorageCab6000 Advantages

RACK-MOUNTABLE AND SCALABLE

The 2U StorageCab 6000 is rack mountable and can be scaled from 1.6 to 4.5TB of storage capacity.

POWERED BY MICROSOFT® WINDOWS® STORAGE SERVER 2003 (WSS 2003)

People familiar with the Windows environment will find it very easy to configure the StorageCab 6000. Also, they will not have to worry about the correct number of Client Access Licenses to purchase as the WSS 2003 comes with an unlimited Client Access License. All file sharing protocols are supported e.g. CIFS/SMB, NFS, AppleTalk, DFS, HTTP & FTP + Storage report manager.

EASE OF DEPLOYMENT

Appliances are relatively easier to deploy in networks without drastic reconfigurations to the network servers for file-level, block-level or access to both. As storage management moves out-of-board to appliance level, reconfiguring storage subsystems requires less effort.

THIRD PARTY APPLICATION SUPPORT

As the StorageCab 6000 is powered by WSS 2003, most third party applications are supported. Customers can install the backup software or anti-virus software of their choice.

EASY BACKUP/ARCHIVING INTEGRATION

Tandberg StorageCab 6000 comes with a Dual Gigabit Ethernet and optional native Fibre Channel or SCSI interface, which allows for easy integration into any storage infrastructure. This makes it the perfect device that can

be implemented in various backup, archiving and disaster recovery solutions. The StorageCab 6000 can be implemented as a second tier storage device, a backup server or a centralized file sharing device.

STORAGECAB 6000 SPECIFICATIONS		
MODEL	StorageCab 6000	StorageCab 6000
Capacity	2.4TB	4.5TB
Form Factor	2U	2U
No. of Drives	6	6
Operating System	Microsoft Windows StorageServer 2003 R2	Microsoft Windows StorageServer 2003 R2
Processor	Intel Xeon D3040 1.86 GHz	Intel Xeon D3040 1.86 GHz
Default Memory	1GB RAM	1GB RAM
Interface	3Gb/s SATA	3Gb/s SATA
Connectivity	Dual GbE	Dual GbE

* Based on a 2:1 Data Compression Rate

Tandberg Tape Media

QUALITY ASSURANCE FOR YOUR TANDBERG STORAGE SOLUTION

Tandberg Data Tape Media and storage products are the result of many years of joint development and continuous enhancements. This serves to provide the increased capacities, performance rates, and cost-efficiency demanded by our customers world-wide. The industry-leading quality and reliability of our products is acknowledged by leading international OEM customers.

Our partners depend on optimum data security for their mission critical data storage needs. Using Tandberg Data branded media with Tandberg Data branded storage products assures industry-leading performance and data security. Tandberg Data media is always the right choice because it is designed to work with our products. To achieve and maintain the maximum benefit of your Tandberg Data branded storage product, we recommend using Tandberg Data media cartridges with them.

Tandberg Data’s VXAtape™ cartridges are the perfect complement to VXA technology. They provide the necessary features needed for Tandberg VXA tape drives, autoloaders, and libraries. Imation Corporation is the exclusive worldwide distributor of VXA tapes.



How should I store and maintain tape media?

TEMPERATURE AND HUMIDITY

To achieve maximum tape media life, users must ensure that they are kept under optimum temperature and humidity conditions. Tapes should not be exposed to temperatures exceeding 120 degrees Fahrenheit, such as under direct strong sunlight. The high temperature may cause the tape to melt, increasing chances of the adjacent layers of tape sticking together. Hence, tape cartridges are best stored under room temperature.

AVOID MAGNETIC FIELDS AND DUST

Tape media should be kept away from strong magnetic fields and dust to reduce the risk of data loss. The most common sources of magnetic field exposure is contact or long-term proximity to regular, permanent magnets such as cathode-ray tubes, transformers and speakers. Tape media may also be damaged by being left out of its storage case, or inside a media drive for a long time, during which dust is deposited in the media.

CLEAN THE TAPE DRIVE REGULARLY

Using a tape drive with a dirty head might cause data problems, hence regular cleaning is a must. When the tape drive is turned on, its built-in fan may cause small amounts of dust to enter the drive. Ideally, cleaning of the tape drive should be scheduled weekly.

CHANGING MEDIA

The life of each tape media depends on the way it is utilised and stored, as well as the condition of the tape drive. Hence, tape media should be replaced when necessary.

SLR MEDIA SPECIFICATIONS		
MODEL	MAX CAPACITY - GB (NATIVE / COMPR.)	MAX DATA TRANSFER RATE - MB/S (NATIVE / COMPR.)
SLR 7	20 / 40*	3 / 6*
SLR 75	38 / 76*	4 / 8*
SLR 100	50 / 100*	5 / 10*
SLR 140	70 / 140*	5 / 10*

* Assuming 2:1 Data Compression Rate. Max Capacity and Transfer Rate will be determined by the performance of the drive

LTO MEDIA SPECIFICATIONS		
MODEL	MAX CAPACITY - GB (NATIVE / COMPR.)	MAX DATA TRANSFER RATE - MB/S (NATIVE / COMPR.)
LTO 1	100 / 200*	20 / 40*
LTO 2	200 / 400*	40 / 80*
LTO 3	400 / 800*	80 / 160*
LTO 4	800 / 1600*	120 / 240*

* Assuming 2:1 Data Compression Rate. Max Capacity and Transfer Rate will be determined by the performance of the drive

RDX MEDIA SPECIFICATIONS		
MODEL	MAX CAPACITY - GB (NATIVE)	MAX DATA TRANSFER RATE - MB/S (NATIVE)
RDX 80GB	80	35
RDX 160GB	160	45
RDX 320GB	320	45
RDX 500GB	500	45

* Assuming 2:1 Data Compression Rate.

Service

World-Class Service to Minimize Downtime

Tandberg Data offers a wide range of service, repair and warranty offerings to minimize downtime and further protect your business critical data.

WARRANTY

Tandberg Data includes limited warranties on every product we sell. Service for Tandberg Data products under warranty is provided by Tandberg Data’s fully trained and qualified technicians. Any products found to be defective within the warranty period will be repaired or replaced without charge.

SECURE SERVICE

For customers who require higher levels of service to minimize downtime and its associated costs, Tandberg Data offers extended on-site service options:

- 5x8xNBD—On-site-support during the next business day, five days a week, eight hours a day.
- 5x8x4—On-site-support within four hours, five days a week, eight hours a day. This coverage is available during regular business hours.
- 7x24x4—On-site-support within four hours, seven days a week, twenty-four hours a day, any day of the week, including bank holidays.

ADVANCED REPLACEMENT SERVICE

A replacement unit or its components will be shipped to the customer’s site, free of charge, within 2 business days. Advanced replacement Service is available to customers throughout Europe. Visit www.tandbergdata.com for more details.

ADDITIONAL SERVICE OFFERINGS:

BRING-IN REPAIRS

Tandberg Data will repair products outside the warranty period. For a small charge, Tandberg Data’s fully trained and qualified technicians will check and repair the unit.

MEDIA BULK ERASE

The bulk erase service from Tandberg Data saves you work and provides peace of mind that all data, such as company critical information, has been completely erased.

MAINTENANCE

Tandberg Data qualified engineers will be able to refurbish Tandberg Data hardware or carry out firmware updates.

STANDARD SERVICE AND TECHNICAL SUPPORT					UPGRADED SERVICE LEVELS		
TAPE DRIVES	Standard Warranty	Additional Warranty	5x10x Freephone	24x7xWeb Support	Warranty Upgrade	Advanced Replacement Upgrade	SecureService Installation
SLR Drives	3 yrs	3 yrs ARS	included	included	4-5 yrs		
VXA Drives	3 yrs	1 yr ARS	included	included	4-5 yrs		
LTO Drives	3 yrs	3 yrs ARS	included	included	4-5 yrs		
REMOVABLE DISK							
RDX QuikStor	3 yrs	1 yr ARS	included	included			
TAPE AUTOMATION							
StorageLoader VXA	3 yrs	1 yr ARS*	included	included	2-3 yrs	2-5 yrs*	✓
StorageLoader LTO	3 yrs	1 yr ARS*	included	included	4-5 yrs	2-5 yrs*	✓
StorageLibrary T24	3 yrs	1 yr ARS*	included	included	4-5 yrs	2-5 yrs*	✓
StorageLibrary T40, T40+ and T80+	3 yrs	1 yr ARS*	included	included	4-5 yrs	2-5 yrs*	✓
DISK BASED BACKUP							
StorageCab 6000	3 yrs	1 yr ARS*	included	included	4-5 yrs	2-5 yrs	

ON-SITE SERVICE UPGRADES				ADDITIONAL AND OUT OF WARRANTY SERVICES		
TAPE DRIVES	SecureService 5x8xNBD	SecureService 5x8x4	SecureService 7x24x4	Bring in Repairs	Media Services Bulk Erase	Maintenance
SLR Drives	1-5 yrs	1-5 yrs	1-5 yrs	✓	✓	✓
VXA Drives	1-5 yrs	1-5 yrs	1-5 yrs	✓	✓	✓
LTO Drives	1-5 yrs	1-5 yrs	1-5 yrs	✓	✓	✓
REMOVABLE DISK						
RDX QuikStor				✓		
TAPE AUTOMATION						
StorageLoader VXA	1-5 yrs	1-5 yrs	1-5 yrs	✓	✓	
StorageLoader LTO	1-5 yrs	1-5 yrs	1-5 yrs	✓	✓	✓
StorageLibrary T24	1-5 yrs	1-5 yrs	1-5 yrs	✓	✓	✓
StorageLibrary T40, T40+ and T80+	1-5 yrs	1-5 yrs	1-5 yrs	✓	✓	✓
DISK BASED BACKUP						
StorageCab 6000	1-5 yrs	1-5 yrs	1-5 yrs	✓		

* component level only